

**TABLE 8-7  
PROBABILITY OF A PIPELINE OIL SPILL BASED ON CONCAWE STATISTICS <sup>1</sup>**

Alternative	Pipeline Location	Segment Length <sup>2</sup>		Probability of One or More Pipeline Releases in 15 Years <sup>3</sup>
		Miles	Kilometers	
1	N/A	0	0	0
2	Offshore	5.96	9.60	0.016
	Onshore	11.12	17.89	0.030
	<b>Total<sup>4</sup></b>	<b>17.08</b>	<b>27.49</b>	<b>0.045 (4.5%)</b>
3	Offshore	5.96	9.60	0.016
	Onshore	15.44	24.84	0.041
	<b>Total<sup>4</sup></b>	<b>21.40</b>	<b>34.44</b>	<b>0.056 (5.6%)</b>
4	Offshore	9.03	14.54	0.024
	Onshore	11.95	19.23	0.032
	<b>Total<sup>4</sup></b>	<b>20.98</b>	<b>33.77</b>	<b>0.055 (5.5%)</b>
5	Offshore	8.90	14.33	0.024
	Onshore	11.78	18.96	0.031
	<b>Total<sup>4</sup></b>	<b>20.68</b>	<b>33.28</b>	<b>0.054 (5.4%)</b>

- Notes: 1 = For pipeline related oil releases greater than 1,000 barrels. Risk of releases based on CONCAWE Western European data, showing annual average of 1.8 releases per year for 10,000 miles (0.112 releases per year/1,000 kilometers) of pipeline length.
- 2 = Pipeline lengths shown here include only the oil pipeline. These pipeline lengths are different from the pipeline lengths shown in Figure 11-1, which also include the gas pipeline.
- 3 = Probability of one or more spills over 15 years is calculated based on the expected number of spills using the Poisson distribution.
- 4 = Probability of an oil spill for the entire pipeline length is calculated based on the total onshore and offshore length.
- CONCAWE = Conservation of Clean Air and Water in Europe
- N/A = Not applicable
- % = Percent